

7 Things to know about EMS, OSH and ISM

1. The **BNL Environment, Safety, Security and Health (ESSH) Policy** is available to you as a framed poster in most buildings and on the [BNL web page](#). Every employee and guest is expected to embrace and practice the principles set in this policy and know how their work can impact their safety, the safety of others and the environment.

2. The **Standards Based Management System (SBMS)** provides the overarching rules on how to conduct environment, safety and health operations at BNL. Following SBMS documents ensure that BNL operations follow DOE, OSHA, EPA and other applicable regulations. Additional directorate and division procedures are often needed to supplement SBMS on specific issues.

3. OHSAS 18001 and ISO 14001 are the standards BNL uses to develop their OSH and EMS Management Systems. This process matches exactly with the DOE Integrated Safety Management (ISM) expectations. The fundamental concept in these systems is a continual improvement cycle. In its simplest form: **PLAN - DO - CHECK - CORRECT**. The ESSH Excellence Logo (shown right) shows the full cyclic process of ISM.

4. **EMS and OSH Representatives** are available to provide you with an avenue to have ESSH concerns addressed by management. At the highest level, the *ESH&Q Associate Laboratory Director James Tarpinian is the BNL OSH Representative and George Goode is the EMS Representative*. In addition, each BNL directorate has an *EMS and OSH Representative* that represents you on directorate levels matters. You can find your EMS and OSH Representative on your Organization Chart.

5. **Risk Assessments** are key components of OSH and ISM. Both systems require analyzing the risk and controlling them so that the operation is done efficiently and safely. In OSH, Job Risk Assessment (JRA) and Facility Risk Assessment (FRA) are a process to identify hazards, determine the risk level, and ensure appropriate controls are in place so that the work can be safely done. Division operations may have certain **Environmental Aspects** that require control. Controls may be in the form of procedures. When combined with Work Planning and Control Documents (i.e., ESR, Work Permits, RadWork Permits, etc), every hazardous activity conducted at BNL should receive a risk assessment and environmental aspect review before work proceeds and commencement is authorized.

6. **Employee involvement** is a fundamental expectation. You are not only allowed to raise an ESSH issue, you are encouraged to provide input into the planning and checking processes. Many avenues are available to you, including participation in Risk Assessment teams, discussions during Experimental Reviews and Work Permit reviews, walk through inspection teams, safety committees, employee suggestion programs, and the S2 (Safety Solutions) and P2 (Pollution Prevention) programs. Under ISM, every employee is empowered to speak up and provide a voice to improve the environment, health, safety, and security aspects of operations they conduct. The **worker** knows the process best and plays a key role in planning and changing operations so work is done in the safest manner.

7. **Consultation, Communication and Feedback** between workers and supervision is a fundamental EMS, OSH and ISM principle. BNL communicates ESSH information to employees using the BNL Bulletin, Monday Memo, ESH&Q Newsletter, Family Safety & Health Magazine, All-Hands meetings, directorate level Safety Meetings, Tool Box & Tailgate meetings, the BTMS Training system, etc. Every employee is encouraged to contribute questions, concerns, and comments using these programs and interaction with their supervision.

